MARTINO M. L. PULICI

PhD Student

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in martino-pulici





♣ EXPERIENCE

PhD Student

Bosch Center for Artificial Intelligence

Aug. 2024 – Present

Renningen

Industrial PhD project focusing on the improvement of decision-making in multi-modal agentic retrieval-augmented generation through reinforcement learning and knowledge integration.

Visiting Student

The Open University's Knowledge Media Institute

iii Oct. 2023 – Jul. 2024

Milton Keynes

Research project focusing on the investigation of viewpoint dynamics in the news domain using large language models, resulting in an award-winning paper presented at the EKAW 2024 conference.

ASC27

Artificial Intelligence Scientist

iii Oct. 2022 – Jul. 2024

Bologna

Experience in natural language processing, text-to-speech, speech-to-text, and optimisation of neural networks.

Student Intern

iii Apr. 2022 – Sept. 2022

Bologna

Intership for the MSc thesis on text-to-speech.

PhD in Informatics

Ludwig-Maximilians-Universität München

苗 Jan. 2025 – Present

Munich

MSc in Artificial Intelligence

Alma Mater Studiorum - Università di Bologna

iii Oct. 2020 – Dec. 2022

Bologna

110/110 cum laude

BSc in Physics

Università degli Studi di Milano

iii Oct. 2017 - Oct. 2020

Milan

110/110 cum laude

Conservatory Diploma in Piano

Conservatorio di Musica "Giuseppe Verdi"

Nov. 2008 - Sept. 2018

Milan

Ω AWARDS

Best conference paper

EKAW 2024

i Nov. 2024

National final phase

Championnat International de Jeux Mathématiques et Logiques

2010, 2011, 2012, 2013, 2015

***** CERTIFICATIONS

IELTS Academic 8.5 (C2)

IELTS

Apr. 2024

Applied Games
Game Design and Development
Universiteit Utrecht

Aug. 2019

VOLUNTEERING

Piano Teaching

Istituto Comprensivo Cavalieri

a 03/2019-02/2020

Milan

Activities with Deaf Children Primary School

ii 09/2016-05/2017

■ Kwai Chung

Rural Area Redevelopment

${\bf Hydrovege}$

i 03/2017

▼ Taichung

Social Farming

Mindful Farm

ii 03/2016

Chiang Mai

Teaching

Primary School

i 11/2015

■ Guangdong

PUBLICATIONS

Capturing the Viewpoint Dynamics in the News Domain

Knowledge Engineering and Knowledge Management

2025

File

Conference paper focusing on the extraction and the classification of claims and viewpoints in the British political discourse with the aid of large language models, achieving state-of-the-art results.

Voice Cloning: Increasing Expressivity of Italian Text-to-Speech with Phonemization

MSc thesis

= 2022

File

MSc thesis focusing on the development of a text-to-speech pipeline for Italian text, with particular attention to the improvement of voice expressivity compared to pre-existing alternatives.

Improving Suppression of Jets from Pileup at High Luminosity LHC Using Timing Information from the High Granularity Timing Detector for ATLAS

BSc thesis

2020

File

BSc thesis focusing on the application of boosted decision trees to CERN's Large Hadron Collider data, with the goal of improving the suppression of pileup jets by exploiting timing information.

SELECTED PROJECTS

FFC Inception v3

= 2022

Repository

Computer vision project applying fast Fourier convolutions to the Inception v3 network, evaluated on image recognition tasks.

Rate severity of toxic comments

2022

Repository

Natural language processing project comparing different architectures (LSTMs, RNNs, and transformers) in a toxicity rating task.

Anti money-laundering

2022

Repository

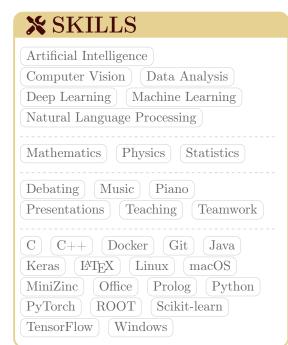
Graph neural network project comparing the impact of attention on different architectures, evaluated on an anti money-laundering task.

Flatland challenge

2021

Repository

Multi-agent reinforcement learning project comparing different deep Q-network agents on a railway traffic management task.





© INTERESTS

- Chess
- Comic books
- Cooking
- Literature
- Motion pictures
- Music (Classical, Jazz, Rock)
- Politics
- Baseball
- Beach volleyball
- Running
- Swimming
- Volleyball